

Map Layers Documentation (Updated August 24, 2016)

Introduction:

The following five topics form the organization structure for the atlas:

1. Population and Demographic Characteristics of the Region
2. Access to Affordable, Quality Housing Options
3. Access to Jobs and Economic Development Opportunities
4. Access to Educational Opportunities
5. Access to Health Care, Healthy Foods, and Recreational Facilities

Data was collected from a variety of sources** for ten counties in the Denver Metropolitan region: Adams, Arapahoe, Boulder, Broomfield, Clear Creek, Denver, Douglas, Gilpin, Jefferson, and southwest Weld. Geographic information system (GIS) software was then used to spatially analyze the data and produce maps for each topical area. Each atlas map from the original publication contains the current and future transit network, including rail lines, as the base map.

This document outlines each map layer in the current website application, and the general description of what is visualized, including the contributing and original sources, and related metadata. For questions not answered through this resource document please contact the following:

If you have questions pertaining to the data sourced for the atlas or would like to request a download please contact the [Colorado Data Engine](#).

For all other inquiries, comments, or suggestions concerning the atlas site functionality and user experience please email us at support@drcog.org.

For general questions related to using the site please see the [FAQ document](#).

**All data sets coming from the Data Engine can be queried through the API with the 'The Denver Regional Equity Atlas' tag.



DENVER REGIONAL EQUITY ATLAS



Map Layer	Layer Description	Source(s)	Source Link Original source Contributing source	Metadata As available (Unit of analysis domain subdomain date stamp)
BOUNDARIES				
1 mile FasTrack Station Buffer	One-mile transit zones in Metro Denver, which are 1.0 mile buffer geographies around transit stations	DRCOG	Unavailable for public download, calculated in the application	Custom Buffer 2016
½ mile FasTrack Station Buffer	half-mile transit zones in Metro Denver, which are 0.5 miles buffer geographies around transit stations	DRCOG	Unavailable for public download, calculated in the application	Custom Buffer 2016
¼ mile FasTrack Station Buffer	Quarter-mile transit zones in Metro Denver, which are 0.25 mile buffer geographies around transit stations	DRCOG	Unavailable for public download, calculated in the application	Custom Buffer 2016
Block Groups	2010 US Census block groups	Census 2010, DRCOG	http://www.census.gov/cgibin/geo/shapefiles2010/main http://gis.drcog.org/datacatalog/content/block-groups-census-2010	Census block group Geography Geography 2010
Blocks	2010 US Census blocks	Census 2010, DRCOG	http://www.census.gov/cgibin/geo/shapefiles2010/main http://gis.drcog.org/datacatalog/content/blocks-census-2010	Census block Geography Geography 2010
Counties	2010 US Census counties	Census 2010, DRCOG	http://www.census.gov/cgibin/geo/shapefiles2010/main http://gis.drcog.org/datacatalog/content/colorado-counties-census-2010-demographic-information	County Geography Geography 2010



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Denver Neighborhoods	City and County of Denver Neighborhoods	City and County of Denver	http://data.denvergov.org/dataset/city-and-county-of-denver-statistical-neighborhoods	Neighborhood Geography Geography 2010
Municipalities	Regional municipalities	DRCOG	http://gis.drcog.org/datacatalog/content/municipal-boundaries-2016	City 2016
Tracts	2010 US Census tracts	Census 2010, DRCOG	http://gis.drcog.org/datacatalog/content/tracts-census-2010 http://www.census.gov/cgi-bin/geo/shapefiles2010/main	Census tract Geography Geography 2010
DEMOGRAPHICS				
Age 5-17	Percentage of the population aged 5-17 by Census tract	Census 2010, American Community Survey 2010-2014, Data Engine	http://www2.census.gov/census_2010/04-Summary File 1/Colorado/ http://codataengine.org/find/2010-census-tract-population-sex-and-age http://codataengine.com/find/2010-2014-ac-s-5-year-colorado-population-sex-and-age-census-tract	Census tract Demographics Age 2010 2014
Age 55 and Older	Percentage of the population aged 55 and older by Census tract	Census 2010, American Community Survey 2010-2014, Data Engine	http://www2.census.gov/census_2010/04-Summary File 1/Colorado/ http://codataengine.org/find/2010-census-tract-population-sex-and-age http://codataengine.com/find/2010-2014-ac-s-5-year-colorado-population-sex-and-age-census-tract	Census tract Demographics Age 2010 2014



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Age Under 5	Percentage of the population under age 5 by Census tract	Census 2010, American Community Survey 2010-2014, Data Engine	http://www2.census.gov/census_2010/04-Summary File 1/Colorado/http://codataengine.org/find/2010-census-tract-population-sex-and-age http://codataengine.com/find/2010-2014-ac5-year-colorado-population-sex-and-age-census-tract	Census tract Demographics Age 2010 2014
Hispanic Ethnicity	Hispanic Ethnicity: each dot represents 100 people and is randomly distributed by Census tract	Census 2010, American Community Survey 2010-2014, Data Engine	http://www2.census.gov/census_2010/04-Summary File 1/Colorado/http://codataengine.org/find/2010-census-tract-population-race http://codataengine.com/find/2010-2014-ac5-year-colorado-population-hispanic-origin-and-race-census-tract	Census tract Demographics Race/Racial Equity 2010 2014
Low Income Households	Percentage of households earning less than 80% of the area median income (AMI) by Census block group	American Community Survey 2006-2010, American Community Survey 2010-2014, Data Engine	http://www2.census.gov/acs2010_5yr/summaryfile/http://codataengine.org/find/2006-2010-ac5-year-colorado-median-household-income-census-block-group http://codataengine.org/find/2010-2014-ac5-year-colorado-household-income-census-block-group	Census block group Demographics Households 2010 2014
Median Income	Median household income by Census block group	American Community	http://www2.census.gov/acs2010_5yr/summaryfile/	Census block group

		Survey 2006-2010, American Community Survey 2010-2014, Data Engine	http://codataengine.org/find/2006-2010-acs-5-year-colorado-median-household-income-census-block-group http://codataengine.org/find/2010-2014-acs-5-year-colorado-median-household-income-census-block-group	Demographics Households 2010 2014
Non-White Population	Percentage of the non-white population by Census tract	Census 2010, American Community Survey 2010-2014, Data Engine	http://www2.census.gov/census_2010/04-Summary_File_1/Colorado/ http://codataengine.org/find/2010-census-tract-population-race http://codataengine.com/find/2010-2014-acs-5-year-colorado-population-hispanic-origin-and-race-census-tract	Census tract Demographics Race/Racial Equity 2010 2014
Race	Race: each dot represents 100 people and is randomly distributed by Census tract	Census 2010, American Community Survey 2010-2014, Data Engine	http://www2.census.gov/census_2010/04-Summary_File_1/Colorado/ http://codataengine.org/find/2010-census-tract-population-race http://codataengine.com/find/2010-2014-acs-5-year-colorado-population-hispanic-origin-and-race-census-tract	Census tract Demographics Race/Racial Equity 2010 2014
EDUCATION				
Child Care Facilities	Licensed child care facilities	Qualistar Colorado, Data engine	http://www.qualistar.org/home.html	Child Care Facility location Education Schools 2010 2015



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			http://codataengine.org/find/qualistar-center-list-2010 http://codataengine.org/find/qualistar-center-list-2015	
Free & Reduced Lunch Change	Percent change of students who are eligible to receive free lunch by school district from 2000-2015	Colorado Dept. of Education, Data Engine, DRCOG	http://www.cde.state.co.us/cder/eval/rv2000pmlinks http://codataengine.org/find/2000-colorado-school-district-pk-12-enrollment-free-and-reduced-lunch-eligibility http://www.cde.state.co.us/cder/eval/rv2010pmlinks.htm http://codataengine.org/find/2015-colorado-school-district-pk-12-enrollment-free-and-reduced-lunch-eligibility School districts shapefile: http://www.cde.state.co.us/ http://gis.drcog.org/datacatalog/content/census-school-districts-2010	School district Education Enrollment 2000/2015
Free School Lunches	Percent of students who are eligible to receive free lunch by school	Colorado Dept. of Education, Data Engine	http://www.cde.state.co.us/cder/eval/pupilcurrentdistrict http://codataengine.org/find/2010-colorado-school-pk-12-enrollment-free-and-reduced-lunch-eligibility http://codataengine.org/find/2013-colorado-school-pk-12-enrollment-free-and-reduced-lunch-eligibility School shapefile:	School Education Enrollment 2010 2013

			http://www.cde.state.co.us/codataengine.org/find/2010-colorado-schools http://codataengine.org/find/2013-colorado-schools	
High School Diploma or Less	Percentage of the population over 25 in the Census block group with a high school diploma (or equivalent) or less	American Community Survey 2006-2010, American Community Survey 2010-2014, Data Engine	http://www2.census.gov/acs2010_5yr/summaryfile/codataengine.org/find/2006-2010-acs-5-year-colorado-educational-attainment-population-25-years-and-over-sex-census-0 http://codataengine.com/find/2010-2014-acs-5-year-colorado-educational-attainment-population-25-years-and-over-sex-census	Census block group Demographics Education Level 2010 2014
Post-Secondary	Percentage of the population over 25 in the Census block group with at least one year of post-secondary education	American Community Survey 2006-2010, DRCOG/ Data Engine	http://www2.census.gov/acs2010_5yr/summaryfile/codataengine.org/find/2006-2010-acs-5-year-colorado-educational-attainment-population-25-years-and-over-sex-census-0 http://codataengine.com/find/2010-2014-acs-5-year-colorado-educational-attainment-population-25-years-and-over-sex-census	Census block group Demographics Education Level 2010 2014



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School Performance Framework	School's School Performance Framework, Final Accreditation Category (based on four key performance indicators)	Colorado Dept. of Education, Data Engine	http://www.cde.state.co.us/Accountability/PerformanceFrameworks.asp http://codataengine.org/find/2010-colorado-school-performance-framework http://codataengine.org/find/2013-colorado-school-performance-framework	School Education Schools 2010 2013
Transportation Spending Per Student	Transportation spending per student by school district	Colorado Dept. of Education, Data Engine	http://www.cde.state.co.us/ http://codataengine.org/find/2010-student-transportation-cost-school-district	School district Transportation Transportation Burdens 2010
EMPLOYMENT				
Employment Clusters	Number of total jobs located in the Census block	LEHD, Data Engine	http://lehd.ces.census.gov/data/#lodes http://codataengine.org/find/2010-colorado-number-jobs-naics-code-census-block-0 http://codataengine.com/find/2014-colorado-number-jobs-naics-code-census-block	Census block Economy Employment 2010 2014
Employment Density	Number of total jobs per acre by Census tract	LEHD, Data Engine	http://lehd.ces.census.gov/data/#lodes http://codataengine.org/find/2010-colorado-number-jobs-naics-code-census-block-0 Note: Census tract figures calculated in the application from raw data.	Census block Economy Employment 2010 2014

			http://codataengine.com/find/2014-colorado-number-jobs-naics-code-census-block	
Employment Types ¹	Each dot represents 100 jobs by employment type, and is randomly distributed by Census tract	LEHD, Data Engine	http://lehd.ces.census.gov/data/#lodes http://codataengine.org/find/2010-colorado-number-jobs-naics-code-census-block-0 Note: Census tract figures calculated in the application from raw data.	Census block Economy Employment 2010 2014
Industrial Jobs	Each dot represents 100 jobs of the employment type “Industrial”, and is randomly distributed by Census tract	LEHD, Data Engine	http://lehd.ces.census.gov/data/#lodes http://codataengine.org/find/2010-colorado-number-jobs-naics-code-census-block-0 Note: Census tract figures calculated in the application from raw data.	Census block Economy Employment 2010 2014
Jobs Requiring Less Than College Degree	Percentage of jobs requiring less than a college degree by Census tract	LEHD, Data Engine	http://lehd.ces.census.gov/data/#lodes http://codataengine.org/find/2014-colorado-number-jobs-educational-attainment-census-block	Census tract Economy Employment 2010 2014

			Note: Census tract figures calculated in the application from raw data.	
Non-Car Commuters	Percentage of residents commuting without a car in the Census block group	American Community Survey 2006-2010, American Community Survey 2010-2014, Data Engine	http://www2.census.gov/acs2010_5yr/summaryfile/ http://codataengine.org/find/2006-2010-acs-5-year-colorado-states-workers-16-years-old-and-over-not-work-home http://codataengine.org/find/2010-2014-acs-5-year-colorado-means-transportation-work-workers-16-years-old-and-over-block	Census block group Demographics Mobility 2010 2014
Office Jobs	Each dot represents 100 jobs of the employment type "Office", and is randomly distributed by Census tract	LEHD, Data Engine	http://lehd.ces.census.gov/data/#lodes http://codataengine.org/find/2010-colorado-number-jobs-naics-code-census-block-0 http://codataengine.com/find/2014-colorado-number-jobs-naics-code-census-block	Census block Economy Employment 2010 2014
Other Category Jobs	Each dot represents 100 jobs of the employment type "Other Category", and is randomly distributed by Census tract	LEHD, Data Engine	http://lehd.ces.census.gov/data/#lodes http://codataengine.org/find/2010-colorado-number-jobs-naics-code-census-block-0 http://codataengine.com/find/2014-colorado-number-jobs-naics-code-census-block	Census block Economy Employment 2010 2014

Public Jobs	Each dot represents 100 jobs of the employment type “Public”, and is randomly distributed by Census tract	LEHD, Data Engine	http://lehd.ces.census.gov/data/#lodes http://codataengine.org/find/2010-colorado-number-jobs-naics-code-census-block-0 http://codataengine.com/find/2014-colorado-number-jobs-naics-code-census-block	Census block Economy Employment 2010
Retail Jobs	Each dot represents 100 jobs of the employment type “Retail”, and is randomly distributed by Census tract	LEHD, Data Engine	http://lehd.ces.census.gov/data/#lodes http://codataengine.org/find/2010-colorado-number-jobs-naics-code-census-block-0 http://codataengine.com/find/2013-colorado-number-jobs-naics-code-census-block	Census block Economy Employment 2010 2014
HEALTH				
Low Access to Healthy Food	Percentage of the total population that is low-income and has low food access(more than one mile from a supermarket or large grocery store)	USDA Food Environment Atlas, Data Engine	http://www.ers.usda.gov/data-products/food-access-research-atlas/download-the-data.aspx#.Ug5PAZK1Epk http://codataengine.org/find/access-healthy-food-colorado-census-tract http://codataengine.org/find/access-healthy-food-colorado-census-tract-2013	Census tract Health Food and Nutrition 2010 2013
Adult Asthma Rate	County-level adult asthma rates in Metro Denver Region	Colorado Department of Public Health and Environment	http://ractod.org/wQ34oT http://codataengine.org/find/ult-asthma-rate-county-metro-denver-region-2009	County Health Health Conditions 2009 2013/14

		BRFSS survey, Data Engine	http://codataengine.org/find/adult-asthma-rate-county-metro-denver-region-2013	
Adult Obesity Rate	County-level adult obesity rates in Metro Denver Region	Colorado Department of Public Health and Environment BRFSS survey, Data Engine	http://ractod.org/wQ34oT http://codataengine.org/find/adult-obesity-rate-county-metro-denver-region-2009 http://codataengine.com/find/adult-obesity-rate-county-metro-denver-region-2013	County Health Health Conditions 2009 2013/14
Blocks by Area (8 acre)	Census blocks by area (above and below 8 acres)	Census 2010	http://www.census.gov/cgibin/geo/shapefiles2010/main http://gis.drcog.org/datacatalog/content/blocks-census-2010	Census block Geography 2010
Farmers Markets	Farmers markets, Colorado Department of Agriculture	CO Department of Agriculture, DRCOG	https://www.colorado.gov/pacific/sites/default/files/Colorado%20Farmers%27%20Markets.pdf	Farmers Market 2016
Health Facilities	Location of Health Facilities in the Denver Metropolitan Region	Colorado Department of Public Health and Environment, DRCOG	http://www.colorado.gov/cs/Satellite/CDPHE-CHEIS/CBON/1251596849638	Health Facility 2013
Hospitals	Location of Hospitals in the Denver Metropolitan Region	Colorado Department of Public Health and Environment, DRCOG	http://www.colorado.gov/cs/Satellite/CDPHE-CHEIS/CBON/1251596849638	Hospital 2013
Local and Regional Parks	Local and regional parks	DRCOG	Unavailable for public download	Park or Open Space 2015



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Trauma Centers	Location of Trauma Centers in the Denver Metropolitan Region	Colorado Department of Public Health and Environment, DRCOG	http://www.colorado.gov/cs/Satellite/CDPHE-CHEIS/CBON/1251596849638	Trauma Center 2013
HOUSING				
Affordable Housing	Total count of federally subsidized affordable housing units in the development	HUD, Data Engine	http://www.huduser.org/portal/datasets/picture/yearlydata.html http://codataengine.org/find/2010-metro-denver-federally-subsidized-affordable-housing http://codataengine.org/find/2014-metro-denver-federally-subsidized-affordable-housing	Census block Property (Built Environment) Affordable Housing 2010 2014
Rent Burdened	The percent of renters paying over 35% of their income for rent., by Census block group	American Community Survey 2006-2010, American Community Survey 2010-2014, Data Engine	http://www2.census.gov/acs2010_5yr/summaryfile/ http://codataengine.org/find/2006-2010-acs-5-year-colorado-gross-rent-percentage-household-income-past-12-months-census-0 http://codataengine.org/find/2010-2014acs-5-year-colorado-gross-rent-percentage-household-income-past-12-months-census-block	Census block group Property (Built Environment) & Economy Income 2010 2014
Restricted Owner	Census block with presence of restricted owner affordable housing units	City & County of Denver and the Community Strategies	http://www.csicolorado.org/ http://codataengine.org/find/2010-colorado-restricted-owner-affordable-housing	Census block Property (Built Environment) Affordable Housing 2010

		Institute (CSI), Data Engine		
Restricted Rental	Census block with presence of restricted rental affordable housing units	City & County of Denver and the Community Strategies Institute (CSI), Data Engine	http://www.csicolorado.org/ http://codataengine.org/find/2010-colorado-restricted-rental-affordable-housing	Census block Property (Built Environment) Affordable Housing 2010 2014
Restricted Rental Units	Total count of restricted rental affordable housing units in the Census block	City & County of Denver and the Community Strategies Institute (CSI), Data Engine	http://www.csicolorado.org/ http://codataengine.org/find/2010-colorado-restricted-rental-affordable-housing	Census block Property (Built Environment) Affordable Housing 2010 2014
Transportation Costs (% of AMI for HH)	Typical household housing and transportation costs as a percentage of income for transit stations	Center for Transit-Oriented Development H+T Index), Data Engine	http://toddata.cnt.org/ http://codataengine.org/find/transportation-cost-burdens-percent-income-2013-within-half-mile-transit-zone-around-transit	Transit station Transportation Economy Income 2013
Year Built	The median year of the housing built in the Census block group	American Community Survey 2006-2010, American Community Survey 2010-2014, Data Engine	http://www2.census.gov/acs2010_5yr/summaryfile/ http://codataengine.org/find/2006-2010-acs-5-year-colorado-median-year-built-housing-units-census-block-group http://codataengine.org/find/2010-2014-acs-5-year-colorado-median-year-built-housing-units-census-block-group	Census block group Property (Built Environment) Housing 2010 2014
Year Built Before 1950	Block groups with housing unit median year built prior to 1950.	American Community Survey 2006-	http://www2.census.gov/acs2010_5yr/summaryfile/	Census block group Property (Built



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		2010, American Community Survey 2010-2014, Data Engine	http://codataengine.org/find/2006-2010-acs-5-year-colorado-median-year-built-housing-units-census-block-group http://codataengine.com/find/2010-2014-acs-5-year-colorado-median-year-built-housing-units-census-block-group	Environment) Housing 2010 2014
TRANSIT				
Bike Routes	Bicycle Facility Inventory, scaled by length	DRCOG	http://gis.drcog.org/datacatalog/content/bicycle-facility-inventory	Transit 2016
Bus Routes	RTD Bus Routes, scaled by frequency	RTD, DRCOG	http://maps.rtd-denver.com/GisDatadownload/datadownload.aspx http://gis.drcog.org/datacatalog/content/rtd-bus-routes	Transit 2016
Bus Stops	RTD Bus Stops	RTD, DRCOG	http://maps.rtd-denver.com/GisDatadownload/datadownload.aspx http://gis.drcog.org/datacatalog/content/rtd-bus-stops	Transit 2016
Existing Light Rail	RTD Light Rail Lines	RTD, DRCOG	http://maps.rtd-denver.com/GisDatadownload/datadownload.aspx http://gis.drcog.org/datacatalog/content/rtd-light-rail-lines	Transit 2016
Future Bus Rapid Transit	RTD FasTracks	RTD	Unavailable for public download	Transit 2016



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Future Fixed Guideway Transit	RTD FasTracks	RTD	Unavailable for public download	Transit 2016
Light Rail Stations	RTD FasTracks Stations	RTD	Unavailable for public download	Transit 2016
CHARTS				
Race/Ethnicity Chart	Race and Hispanic ethnicity	American Community Survey 2010-2014	http://www2.census.gov/census2010/04-Summary_File_1/Colorado/http://codataengine.org/find/2010-2014-ac5-year-colorado-population-hispanic-origin-and-race-census-tract	Demographics Race/Racial Equity 2014
Household Income Chart	Household income	American Community Survey 2010-2014	http://www2.census.gov/acs2010_5yr/summaryfile/http://codataengine.org/find/2010-2014-ac5-year-colorado-household-income-census-tract	Demographics Households 2014
Age Chart	Age and gender	American Community Survey 2010-2014	http://www2.census.gov/census2010/04-Summary_File_1/Colorado/http://codataengine.org/find/2010-2014-ac5-year-colorado-population-sex-and-age-census-tract	Demographics Age 2014
Workers by Industry Chart	Jobs by industry	LEHD 2014	http://lehd.ces.census.gov/data/#lodes http://codataengine.com/find/2014-colorado-number-jobs-naics-code-census-block	Economy Employment 2014
SUMMARY STATISTICS				
Population	Population	American Community	County	2014



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		Survey 2010-2014	http://codataengine.org/find/2010-2014-acs-5-year-colorado-population-sex-and-age-county Census Tract http://codataengine.org/find/2010-2014-acs-5-year-colorado-population-sex-and-age-census-tract	
Average Household Size	Average Household Size	American Community Survey 2010-2014	County http://codataengine.org/find/2010-2014-acs-5-year-colorado-household-size-tenure-county Census Tract http://codataengine.org/find/2010-2014-acs-5-year-colorado-household-size-tenure-census-tract	2014
Jobs	Jobs	LEHD 2014	http://lehd.ces.census.gov/data/#lodes http://codataengine.com/find/2014-colorado-number-jobs-naics-code-census-block	2014
Commute	Commute	American Community Survey 2010-2014	County http://codataengine.org/find/2010-2014-acs-5-year-colorado-means-transportation-work-workers-16-years-old-and-over-county Census Tract http://codataengine.org/find/2010-2014-acs-5-year-colorado-means-transportation-work-	2014



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			workers-16-years-old-and-over-census	
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Endnotes

i NAICS Codes for Job Layers

Layer Name

NAICS

Industrial Jobs

23 (Construction)
 31-33 (Manufacturing)
 42 (Wholesale Trade)
 48-49 (Transportation and Warehousing)

Office Jobs

51 (Information)
 52 (Finance and Insurance)
 53 (Real Estate and Rental and Leasing)
 54 (Professional, Scientific, and Technical Services)

Other Category Jobs

11 (Agriculture, Forestry, Fishing and Hunting)
 21 (Mining, Quarrying, and Oil and Gas Extraction)
 22 (Utilities)
 56 (Administrative and Support and Waste Management and Remediation Services)



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Public Jobs

- 55 (Management of Companies and Enterprises)
- 61 (Educational Services)
- 62 (Health Care and Social Assistance)
- 81 (Other Services [except Public Administration])
- 92 (Public Administration)

Retail Jobs

- 44-45 (Retail Trade)
- 71 (Arts, Entertainment, and Recreation)
- 72 (Accommodation and Food Services)